

Title (en)
Method for manufacturing neuraminic acid derivatives

Title (de)
Verfahren zur Herstellung von Neuraminsäurederivaten

Title (fr)
Procédé de fabrication de dérivés d'acide neuraminique

Publication
EP 2360156 A1 20110824 (EN)

Application
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Priority
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Abstract (en)
A method for manufacturing a compound represented by the formula (9) is provided: wherein R² represents a C¹-C⁴ alkyl group, R³ represents a C¹-C⁶ alkyl group, R⁴ and R⁵, independently from each other, represent a hydrogen atom, a C¹-C⁶ alkyl group or a phenyl group, or R⁴ and R⁵ together form a tetramethylene group, a pentamethylene group or an oxo group, and Ac represents an acetyl group.

IPC 8 full level
C07D 239/28 (2006.01); **C07C 41/60** (2006.01); **C07D 309/28** (2006.01); **C07D 498/04** (2006.01)

CPC (source: EP KR US)
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C-Set (source: EP US)
C07C 41/60 + C07C 43/32

Citation (applicant)
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• [A] ANDREWS ET AL: "Synthesis and influenza virus sialidase inhibitory activity of analogues of 4-guanidino-Neu5Ac2en (Zanamivir) modified in the glycerol side-chain", EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, EDITIONS SCIENTIFIQUE ELSEVIER, PARIS, FR, vol. 34, 1 January 1999 (1999-01-01), pages 563 - 574, XP002160762, ISSN: 0223-5234

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JP 2008057557 W 20080411; BR PI0809601 A 20080411; CA 2683065 A 20080411; CA 2783587 A 20080411; CA 2783620 A 20080411; CA 2783688 A 20080411; CN 200880019205 A 20080411; CN 201210027019 A 20080411; CN 201210027020 A 20080411; CN 201210029291 A 20080411; CN 201210335674 A 20080411; EP 08740613 A 20080411; EP 11003967 A 20080411; EP 11003969 A 20080411; ES 08740613 T 20080411; ES 11003967 T 20080411; ES 11003968 T 20080411; ES 11003969 T 20080411; HK 10105300 A 20100528; HK 11113348 A 20100528; HK 11113349 A 20100528; IL 20126409 A 20090930; IL 22494313 A 20130227; IL 22494413 A 20130227; JP 2009544071 A 20080411; JP 2013052760 A 20130315; JP 2014152751 A 20140728; KR 20097021107 A 20080411; KR 20147001749 A 20080411; KR 20147001750 A 20080411; KR 20147035341 A 20080411; KR 20157009090 A 20080411; TW 102130075 A 20080409; TW 102130076 A 20080409; TW 102130078 A 20080409; TW 97112808 A 20080409; US 201313795050 A 20130312; US 201313966863 A 20130814; US 201514724188 A 20150528; US 201514848648 A 20150909; US 201514848787 A 20150909; US 201514848876 A 20150909; US 45069908 A 20080411